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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/021,020	12/19/2001	Tadahiro Ushiro	2936-0144P	9479

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EXAMINER

SHIN, CHRISTOPHER B

ART UNIT	PAPER NUMBER
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2182

DATE MAILED: 03/24/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

## Office Action Summary

Application No.

10/021,020

Applicant(s)

USHIRO, TADAHIRO

Examiner

Christopher B Shin

Art Unit

2182

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --.

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 18 December 2003.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-14 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 8-14 is/are allowed.
- 6) ☒ Claim(s) 1-7 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |  |   |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)   | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date <u>5</u> . | 6) <input type="checkbox"/> Other: _____  |

### **DETAILED ACTION**

1. The amendment received December 18, 2003 has been entered and carefully considered. New claims 8-14 have been added; claims 1-14 are pending in the application.

#### ***Allowable Subject Matter***

2. Newly added claims 8-14 are allowable over the prior art of record.

#### ***Response to Arguments***

3. Applicant's arguments filed December 18, 2003 have been fully considered but they are not persuasive.

a. On pages 9-10 (line 14), the applicant explains the teachings of Rudoff et al.; however, the examiner understands and has a capability to understand the Patent references, such as the Rudoff reference.

b. On pages 10 (line 15) – 11, the applicant only included the arguments for a claim 1. No arguments of claims 2-7 were found. As per claim 1, the applicant argues the differences between the present invention and the teachings of Rudoff; the examiner strongly traverses the applicant's argument. The examiner also believes that the arguments/dispute between examiner and the applicant comes from the level of the interpretations of the claims and the teachings of the Rudoff reference. Therefore, the examiner suggests the applicant to broadly interpret the claims and the teachings of the Rudoff reference.

For the above reasons, the examiner maintains the art rejections as follows.

***Claim Rejections - 35 USC § 102***

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(e) the invention was described in-

(1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effect under this subsection of a national application published under section 122(b) only if the international application designating the United States was published under Article 21(2)(a) of such treaty in the English language; or  
(2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that a patent shall not be deemed filed in the United States for the purposes of this subsection based on the filing of an international application filed under the treaty defined in section 351(a).

5. Claims 1-7 are rejected under 35 U.S.C. 102(e) as being anticipated by Rudoff et al. (6,263,378).

i. In figures 1 & 3-5 and the respective sections, the Rudoff reference teaches all of the basic claimed limitations as follows:

Claims 1-8 Rudoff et al. (figures 1 & 3-5)

- microcomputer including a plurality of peripheral circuits
  - feature of figure 1 system including (104/105) devices
- a connecting circuit that permits interconnection among the plurality of peripheral circuits to be controlled through execution of a program
  - feature of (102) interconnection among (104/105) through execution of a program (101/102/103)
- wherein the connecting circuit comprises a selector that selects on among a plurality of inputs and then outputs the selected input according to data given by the program
  - inherent feature of (102) inputting/outputting/communicating between (104-105)
- wherein a circuit for writing/reading data input/output to/from circuits through execution of the program is provided as one of the peripheral circuits
  - inherent feature of (102) controlling communications between (104-105)
- wherein a circuit for inputting/outputting a signal outside/inside the microcomputer is provided as one of the peripheral circuits

- inherent feature of (104-105) internally & externally communicated by (102)
- means for realizing a predetermined peripheral circuits function by a controlling through the connecting circuit the interconnecting among the plurality of peripheral circuits
- feature of using device tree (302) for communication between (102, 104-105)

ii. Since the Rudoff reference teaches all of the basic claimed limitations, the claimed invention would have been anticipated by the teachings of Rudoff reference.

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Christopher B Shin whose telephone number is 703-305-9856. The examiner can normally be reached on 6:30-5:00 M,Tu,Th,F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jeffrey Gaffin can be reached on 703-308-3301. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Christopher Shin  
Primary Examiner  
Of 2182

March 22, 2004

A handwritten signature in black ink, appearing to read 'Chris Shin', written in a cursive style.